#### PATENT COOPERATION TREATY

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORIT	[]
To:	

RANBAXY LABORATORIES LIMITED C/O DESHMUKH, JAYADEEP R. 600 COLLEGE ROAD EAST, SUITE 2100 PRINECTON, NJ 08540

PCT

NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY **EXAMINATION REPORT** 

(PCT Rule 71.1)

Date of Mailing (day/month/year) 08 JUL 2004

Applicant's or agent's file reference

IMPORTANT NOTIFICATION

RLL-236WO International application No.

International filing date (day/month/year)

Priority date (day/month/year)

PCT/IB02/01113

11 April 2002 (11.04.2002)

Applicant

RANBAXY LABORATORIES LIMITED

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

#### REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/US

Mail Stop PCT, Attn: IPEA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 872-9306

Authorized officer

Emily Bernhardt

7. Roberts for Telephone No. (571) 272-1600

Form PCT/IPEA/416 (July 1992)



## PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference  RLL-236WO	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
International application No.	International filing date (day/mo	onth/year) Priority date (day/month/year)			
PCT/IB02/01113	11 April 2002 (11.04.2002)				
International Patent Classification (IPC)	or national classification and IPC				
IPC(7): C07D 209/48, 401/06, 403/06, 491/08; A61K31/4035, 31/496. and US C1.: 544/360,372,373; 548/465, 513; 514/253.12, 254.08,414, 421.					
Applicant					
RANBAXY LABORATORIES LIMITE	D				
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.					
2. This REPORT consists of	a total of $\frac{1}{2}$ sheets, including	g this cover sheet.			
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of a	total of <u>U</u> sheets.				
3. This report contains indica	tions relating to the following	items:			
I Basis of the repo	ort	·			
II Priority	II Priority				
III Non-establishme	ent of report with regard to no	velty, inventive step and industrial applicability			
IV Lack of unity of	invention				
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI Certain documen	VI Certain documents cited				
VII Certain defects in	VII Certain defects in the international application				
VIII Certain observations on the international application					
Date of submission of the demand		Date of completion of this report			
05 November 2003 (05.11.2003)		28 June 2004 (28.06.2004)			
Name and mailing address of the IPEA/US		orized officer			
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		y Bernhardt F. Robert for			
P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 872-9306	Telep	hone No. (571) 272-1600			

Form PCT/IPEA/409 (cover sheet)(July 1998)



#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International	application	No.

PCT/IB02/01113

I.	asis of the report				
1.	ith regard to the elements of the international application:*				
	the international application as originally filed.				
	the description:				
	pages 1-45 as originally filed				
	pages NONE , filed with the demand				
	pages NONE , filed with the letter of				
	the claims:				
	pages 46-80, as originally filed				
	pages NONE, as amended (together with any statement) under Article 19				
	pages NONE , filed with the demand pages NONE , filed with the letter of				
	the drawings:				
	pages NONE , as originally filed				
	pages NONE , filed with the demand pages NONE , filed with the letter of				
	¬ • • • • • • • • • • • • • • • • • • •				
	the sequence listing part of the description:				
	pages NONE , as originally filed				
	pages NONE , filed with the demand pages NONE , filed with the letter of				
2	/ith regard to the language, all the elements marked above were available or furnished to this Authority in the				
2.	nguage in which the international application was filed, unless otherwise indicated under this item.				
	hese elements were available or furnished to this Authority in the following language English which is:				
	the language of a translation furnished for the purposes of international search (under Rule23.1(b)).				
	the language of publication of the international application (under Rule 48.3(b)).				
	the language of the translation furnished for the purposes of international preliminary examination (under Rules				
	55.2 and/or 55.3).				
3.	ith regard to any nucleotide and/or amino acid sequence disclosed in the international application, the ternational preliminary examination was carried out on the basis of the sequence listing:	İ			
	contained in the international application in printed form.				
	filed together with the international application in computer readable form.				
	furnished subsequently to this Authority in written form.				
	furnished subsequently to this Authority in computer readable form.				
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.				
	The statement that the information recorded in computer readable form is identical to the written sequence listin has been furnished.	g			
4.	The amendments have resulted in the cancellation of:	ı			
	the description, pages NONE	۱			
	the claims, Nos. NONE	1			
	the drawings, sheets/fig NONE				
5.	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**				
* }	lacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in	2			
this	this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).  ** Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.				
		1			

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/IB02/01113

III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
<ol> <li>The question whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been and will not be examined in respect of:</li> </ol>						
	the entire international application, claims Nos. 1, 3-36 (all in part)					
	Claims 103. 1, 3 30 (dd 11 pus)					
becaus	because:					
	the said international application, or the said claim Nos relate to the following subject matter which does not require international preliminary examination (specify):					
	·					
the description, claims or drawings (indicate particular elements below) or said claims Nos are stated that no meaningful opinion could be formed (specify):						
	·					
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.					
$\boxtimes$	no international search report has been established for said claims Nos. 1, 3-36 (all in part)					
2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:						
	the written form has not been furnished or does not comply with the standard.					
	the computer readable form has not been furnished or does not comply with the standard.					

Form PCT/IPEA/409 (Box III) (July 1998)



International application No. PCT/IB02/01113

V. Reasoned statement under Rule 66.2(a)( citations and explanations supporting su	ii) with regar ch statement	rd to novelty, inventive step or in	dustrial applicability;		
1. STATEMENT					
Novelty (N)	Claims	16-36	YES		
	Claims	1-15	NO		
Inventive Step (IS)	Claims	16-36	YES		
mvenuve step (13)	Claims		NO		
Industrial Applicability (IA)	Claims		YES		
	Claims	NONE	NO		
Claims 1-15 lack novelty and thus an inventive step under PCT Article 33(2)-(3) as being anticipated and rendered obvious by Ranbaxy (WO'206). The WO publication describes many compounds for use as alpha A1 adrenergic antagonistic activity as well as processes for making. See pages 5-12 for list of compounds and pages 15-26 for processes outlined in claims 8-12.  Claims 1,2,5,6 and 13 lack novelty and thus an inventive step under PCT Article 33(2)-(3) as being anticipated and thus rendered obvious by Hirose (US'954). The US patent describes similar and identical compounds to that claimed herein for treating diabetes. See columns 1-5 and column 24, lines 1-10. Process of claim 13 is employed to make said compounds as discussed in columns 3-4.  Claims 14-15 lack an inventive step under PCT Article 33(3) as being obvious over Hirose in view of Ishizumi (US'117). While the reaction conditions set forth in column 4. Ishizumi teaches for related compounds prepared by the same process use of base including carbonates embraced in claim 15. See columns 3-4.  Claims 16-36 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest the reaction steps outlined in the process claims to make particular products recited therein.  Claims 1-36 meet the criteria set out in PCT Article 33(4), and thus possess industrial applicability because the subject matter claimed can be made or used in industry. Compounds are taught for treating benign prostatic hyperplasia.					
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Form PCT/IPEA/409 (Box V) (July 1998)